GREAT SMOKY MOUNTAINS NATIONAL PARK
PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Great Smoky Mountains National Park. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

1. An inductive loop traffic counter (Station 401 Lane 2) is located across the southbound lane of Newfound Gap Road at the Gatlenburg entrance. The traffic count is reduced by the number of buses and Non-reportable vehicles (19 per day). The reduced traffic count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 1.

2. The number of bus passengers. This is the number of buses times the person per bus multiplier of 45.

3. An inductive loop traffic counter (Station 404 Lane 2) is located across the southbound lane of Tennessee 73 inside the park boundary at the Townsend entrance. The traffic count is reduced by the number of Non-reportable vehicles (10 per day). The reduced traffic count is multiplied by the PPV multiplier in Table 1.

4. Inductive loops traffic counters (Station 403 Lanes 3 and 4) are located across the northbound lanes of Newfound Gap Road south of the entrance to Oconaluftee Visitor Center at the Oconaluftee entrance. The traffic count is reduced by the number of Non-reportable vehicles (17 per day). The reduced traffic count is multiplied by the PPV multiplier in Table 1.

5. A pneumatic tube counter is located across Abrams Creek Road to count vehicle axles. The axle counts are divided by two to adjust for vehicles entering and exiting the unit. The adjusted traffic count is multiplied by the persons-per-vehicle multiplier in Table 1.

6. A pneumatic tube counter is located across the northbound entrance lane of Balsam Mountain spur road. The traffic count is multiplied by the PPV multiplier in Table 1.

7. A pneumatic tube counter is located across the northbound entrance lane of Heintooga-Round Bottom. The traffic count is multiplied by the PPV multiplier in Table 1.

8. A pneumatic tube counter is located across the road to Big Creek Camping Area. The axle counts are divided by two to adjust for vehicles entering and exiting the unit. The adjusted traffic count is multiplied by the PPV multiplier in Table 1.

9. A pneumatic tube counter is located across the eastbound exit lane of Cataloochee campgrounds. The traffic count is multiplied by the PPV multiplier in Table 1.

10. A pneumatic tube counter is located across the northbound exit lane to Cosby campgrounds. The traffic count is multiplied by the PPV multiplier in Table 1.

11. A pneumatic tube counter is located across the Northbound access lane of Foothills Parkway (west) from U.S. Highway 129. The traffic count is multiplied by the PPV multiplier in Table 1.

12. Deep Creek camping area estimates the number of vehicles entering the unit.

13. A pneumatic tube counter is located across the entrance of Bryson City-Fontana Road. The traffic count is multiplied by the PPV multiplier in Table 1.

14. A pneumatic tube counter is located across the southbound lane entrance road to Greenbrier Ranger Station. The axle counts are divided by two to adjust for vehicles entering and exiting. The adjusted traffic count is multiplied by the PPV multiplier in Table 1.

15. A pneumatic tube is located across the northbound lane of Cherokee Orchard Road to count vehicles using Cherokee Orchard Road but not entering Roaring Fork Motor Nature Trail. The axle counts are divided by two to adjust for vehicles entering and exiting. The adjusted traffic count is multiplied by the PPV multiplier in Table 1.

16. A pneumatic tube counter is located across the Southbound access lane of Foothills Parkway (west) from Tennessee at Look Rock.

17. A pneumatic tube counter is located across the road to Twenty mileP. The axle counts are divided by two to adjust for vehicles entering and exiting the unit. The adjusted traffic count is multiplied by the PPV multiplier in Table 1.

The total recreation visitors are reduced by 12% to eliminate duplicate reporting.

TABLE 1
PPV MULTIPLIERS BY MONTH

Months	Persons-per-Vehicle
June - September	2.8
October - May	2.5

Non--recreation Visits

1. Inductive loop traffic counters (Station 405 Lanes 1,2,3 and 4) are located across the north end of Foothills spur to count vehicles traveling both north and southbound. The traffic counts are divided by two to reduce for duplicate reporting. The adjusted traffic counts are multiplied by the PPV multiplier of 2.

Recreation Visitor Hours

1.The total number of recreation visitors is multiplied by 6 hours.

2.The number of overnight stays is multiplied by 17.5.

Non-recreation Visitor Hours

1. The total Non-recreation Visitors is multiplied by .5 hours.

Special Use Data

Line a. The number of visitors at North Bridge Visitor Center
Line b. The number of visitors at North Bridge Parking Lot
Line c. The number of visitors at Battle Road Visitor Center
Line d. The number of visitors at Fiske Hill
Line e. The number of visitors at Hartwell Tavern
Line f. The number of visitors at Smith House
Line g. The number of bus passengers
Line n. The number of buses